

## EAST Search History

| Ref # | Hits | Search Query   | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|--|---|------------------|---------|------------------|
| L1    | 236  | 63/3.1   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/03/08 14:10 |
| L2    | 0    | 63/3.13  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/03/08 13:53 |
| L3    | 5    | 63/3.3   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/03/08 13:56 |
| L4    | 115  | 63/3.2   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/03/08 13:53 |
| L5    | 5    | 63/3.4   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/03/08 13:56 |
| L6    | 266  | 63/5.1   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/03/08 13:56 |
| L7    | 78   | 63/5.2   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/03/08 13:56 |
| L8    | 20   | ("1102379"   "2699667"   "3124286"  <br>"3966183"   "3968669"   "4460174"  <br>"4733807"   "4760715"   "4765459"  <br>"4854449"   "4934521"   "5370219"  <br>"D336778"   "D337885"   "D341015"  <br>"D349399"   "D360070").PN. OR<br>("D390000").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                | OR               | OFF     | 2006/03/08 14:00 |
| L9    | 62   | "63"/\$.ccls. and \$4book\$4   | US-PGPUB;<br>USPAT;<br>USOCR                | OR               | OFF     | 2006/03/08 14:01 |
| L10   | 27   | ("0046788"   "0175394"   "0206012"  <br>"0420757"   "1655341"   "2121344"  <br>"2129491"   "2138596"   "2543437"  <br>"4581904"   "5079933"   "D260139"  <br>"D276983"   "D282055").PN. OR<br>("5291755").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR                | OR               | OFF     | 2006/03/08 14:07 |

## EAST Search History

|     |     |   |   |    |     |                  |
|-----|-----|---|---|----|-----|------------------|
| L11 | 486 | 40/586  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/03/08 14:14 |
| L12 | 10  | (helical\$3 or spiral\$3) and 11  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/03/08 14:14 |
| L13 | 27  | \$4book\$4 and 11   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/03/08 14:15 |
| L14 | 13  | ("3055133"   "3193842"   "3582993"  <br>"4625337"   "4650219"   "4924613"  <br>"5173968"   "5421032").PN. OR<br>("5742940").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                | OR | OFF | 2006/03/08 14:13 |
| L15 | 296 | 40/633  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/03/08 14:15 |
| L16 | 5   | (helical\$3 or spiral\$3) and 15  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/03/08 14:15 |
| L17 | 10  | \$4book\$4 and 15   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/03/08 14:16 |
| L18 | 142 | 40/634  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/03/08 14:16 |
| L19 | 0   | (helical\$3 or spiral\$3) and 18  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/03/08 14:16 |
| L20 | 5   | \$4book\$4 and 18   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/03/08 14:16 |
| L21 | 141 | 40/904  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/03/08 14:16 |
| L22 | 35  | (helical\$3 or spiral\$3 or spring\$6) and<br>21  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/03/08 14:24 |

## EAST Search History

|     |     |  |   |    |     |                  |
|-----|-----|--|---|----|-----|------------------|
| L23 | 751 | 224/222  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/03/08 14:18 |
| L24 | 88  | 224/603  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/03/08 14:20 |
| L25 | 103 | 224/604  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/03/08 14:22 |
| L26 | 119 | 224/605  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/03/08 14:24 |
| L27 | 57  | 224/172  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/03/08 14:18 |
| L28 | 337 | 224/175  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/03/08 14:18 |
| L29 | 17  | ("0080676"   "1165882"   "1571425"  <br>"3124286"   "3823587").PN. OR<br>("4760715").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                | OR | OFF | 2006/03/08 14:19 |
| L30 | 22  | (helical\$3 or spiral\$3 or spring\$6) and<br>26   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/03/08 14:25 |
| L31 | 58  | (helical\$3 or spiral\$3 or spring\$6) and<br>28   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/03/08 14:25 |
| L32 | 129 | (helical\$3 or spiral\$3 or spring\$6) and<br>23   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/03/08 14:27 |